		(Original Signature of Member)
113TH CONGRESS 1ST SESSION	H.R.	

To award grants to encourage State educational agencies, local educational agencies, and schools to utilize technology to improve student achievement and college-and-career readiness, the skills of teachers and school leaders, and the efficiency and productivity of education systems at all levels.

## IN THE HOUSE OF REPRESENTATIVES

Mr.	GEORGE	MILLER of	California	introduced	the fo	ollowing b	oill;	which	was
	${\bf referred}$	to the Com	mittee on _						

# A BILL

- To award grants to encourage State educational agencies, local educational agencies, and schools to utilize technology to improve student achievement and college-and-career readiness, the skills of teachers and school leaders, and the efficiency and productivity of education systems at all levels.
  - 1 Be it enacted by the Senate and House of Representa-
  - 2 tives of the United States of America in Congress assembled,

### 1 SECTION 1. SHORT TITLE.

- This Act may be cited as the "Transforming Edu-
- 3 cation through Technology Act".

#### 4 SEC. 2. TABLE OF CONTENTS.

- 5 The table of contents for this Act is as follows:
  - Sec. 1. Short title.
  - Sec. 2. Table of contents.
  - Sec. 3. Findings.
  - Sec. 4. Purposes.
  - Sec. 5. E-rate restriction.
  - Sec. 6. Rule of construction regarding purchasing.
  - Sec. 7. Definitions.

#### TITLE I—TECHNOLOGY READINESS AND ACCESS

- Sec. 101. Technology grants program authorized.
- Sec. 102. State applications.
- Sec. 103. State use of grant funds.
- Sec. 104. Local subgrants.
- Sec. 105. Reporting.
- Sec. 106. Authorization.

#### TITLE II—TECHNOLOGY FOR TOMORROW FUND

- Sec. 201. Short title.
- Sec. 202. Technology for tomorrow fund.
- Sec. 203. Application.
- Sec. 204. Use of funds.
- Sec. 205. Data collection and reporting.
- Sec. 206. Performance measurement and evaluation and dissemination.
- Sec. 207. Authorization of appropriations.

#### 6 SEC. 3. FINDINGS.

- 7 Congress finds the following:
- 8 (1) There is growing opportunity provided by
- 9 technology in classrooms, for every grade, in every
- subject, and for all types of learners, to—
- 11 (A) ensure that students are college-and-
- career ready; and
- (B) access the accelerating roll-out of on-
- line assessments.

1	(2) Comprehensive education technology pro-
2	grams have shown great success in improving stu-
3	dent achievement, reducing secondary school dropout
4	rates, and improving graduation and college enroll-
5	ment rates.
6	(3) Mooresville Graded School District in the
7	State of North Carolina has implemented an inte-
8	grated education technology initiative, which has led
9	to its ranking as the third highest achieving district
10	in the State, with 21 percent composite achievement
11	rate increases and 25 percent graduation rate in-
12	creases over 5 years.
13	(4) At Manor New Tech High School in the
14	State of Texas, where 65 percent of students receive
15	free or reduced price lunch under the Richard B.
16	Russell National School Lunch Act (42 U.S.C. 1751
17	et seq.) and 75 percent are students of color, a
18	project-based learning focus on science, technology,
19	engineering and mathematics, has led to 62 percent
20	of students being the first generation in their fami-
21	lies to enroll in an institution of higher education
22	and a near zero secondary school dropout rate.
23	(5) At the City Arts and Technology High
24	School Envisions in San Francisco, California, which
25	emphasizes personalized learning environments, inte-

	1
1	gration of arts and technology in project-based
2	learning, and development of deeper learning skills,
3	98 percent of the graduates enrolled at an institu-
4	tion of higher education, 91 percent remained en-
5	rolled at such an institution, and 100 percent met
6	the course requirements for entrance to the Univer-
7	sity of California.
8	(6) The Federal Government placed a strong
9	emphasis on technology professional development in
10	the past decade, but no longer provides any funding
11	support for such activities. Annual appropriations
12	for grants awarded under the Enhancing Education
13	through Technology Act of 2001 under subpart D of
14	title II of the Elementary and Secondary Education
15	Act of 1965 (20 U.S.C. 6751 et seq.) ended in 2010
16	and all funds appropriated by the American Recov-
17	ery and Reinvestment Act of 2009 (Public Law 111-
18	5) for such grants were to have been spent by Sep-
19	tember 2011.
20	(7) Online professional development courses
21	offer excellent opportunities for educators to receive
22	the training that they need 24 hours each day, 7
23	days each week. However, a recent survey indicates
24	that only 25 percent of teachers make use of online

25

professional development courses.

1	(8) For technology to be fully integrated into
2	classrooms and to ensure that students are college-
3	and-career ready, it is critical that school adminis-
4	trators are confident in their abilities to use tech-
5	nology and thereby lead change in their schools and
6	local educational agencies. The Federal Government
7	must invest in building leadership skills and capacity
8	for technology to truly take hold in our Nation's
9	schools.
10	SEC. 4. PURPOSES.
11	The purposes of this Act are to—
12	(1) improve the achievement, academic growth
13	and college-and-career readiness of students who
14	have developed the ability to think critically, apply
15	knowledge to solve complex problems, work collabo-
16	ratively, communicate effectively, be self-directed
17	and be responsible digital citizens;
18	(2) ensure all students have access to individ-
19	ualized, rigorous, and engaging digital learning expe-
20	riences;
21	(3) ensure that educators have the knowledge
22	and skills to develop and implement digital learning
23	curriculum, use technology effectively in order to
24	personalize and strengthen instruction, and effec-

1	tively deliver and utilize assessments to measure stu-
2	dent outcomes and support student success;
3	(4) ensure that administrators have the leader-
4	ship, management, knowledge, and skills to design,
5	develop, and implement a school or local educational
6	agency-wide digital age learning environment;
7	(5) improve the efficiency and productivity of
8	education through technology;
9	(6) address the connectivity needs of local edu-
10	cational agencies and educational service agencies
11	that are eligible for support under the E-rate pro-
12	gram without duplicating the support available
13	under such program; and
14	(7) ensure that State educational agencies, local
15	educational agencies, and elementary schools and
16	secondary schools have the technological capacity
17	and infrastructure to meet purposes described in
18	paragraphs (1) through (6).
19	SEC. 5. E-RATE RESTRICTION.
20	Funds awarded under this Act may be used to ad-
21	dress the networking needs of a recipient of such funds
22	for which the recipient is eligible to receive support under
23	the E-rate program, except that such funds may not be
24	duplicative of support received by the recipient under the
25	E-rate program.

1	SEC. 6. RULE OF CONSTRUCTION REGARDING PUR-
2	CHASING.
3	Nothing in this Act shall be construed to permit a
4	recipient of funds under this Act to purchase goods or
5	services using such funds without ensuring that the pur-
6	chase is free of any conflict of interest between such recipi-
7	ent, or any partner of such recipient, and the person or
8	entity receiving such funds.
9	SEC. 7. DEFINITIONS.
10	In this Act:
11	(1) In general.—Except as otherwise pro-
12	vided in this Act, any term that is defined in section
13	9101 of the Elementary and Secondary Education
14	Act of 1965 (20 U.S.C. 7801) has the meaning
15	given the term in such section.
16	(2) DIGITAL LEARNING.—The term "digital
17	learning" means any instructional practice that ef-
18	fectively uses technology to strengthen a student's
19	learning experience and encompasses a wide spec-
20	trum of tools and practices, including—
21	(A) interactive learning resources that en-
22	gage students in academic content;
23	(B) access to online databases and other
24	primary source documents;
25	(C) the use of data to personalize learning
26	and provide targeted supplementary instruction;

1	(D) student collaboration with content ex-
2	perts and peers;
3	(E) online and computer-based assess-
4	ments;
5	(F) digital content, adaptive, and simula-
6	tion software or courseware,
7	(G) online courses, online instruction, or
8	digital learning platforms;
9	(H) mobile and wireless technologies for
10	learning in school and at home;
11	(I) learning environments that allow for
12	rich collaboration and communication;
13	(J) authentic audiences for learning in a
14	relevant, real world experience;
15	(K) teacher participation in virtual profes-
16	sional communities of practice; and
17	(L) hybrid or blended learning, which oc-
18	curs under direct instructor supervision at a
19	school or other location away from home and,
20	at least in part, through online delivery of in-
21	struction with some element of student control
22	over time, place, path, or pace.
23	(3) Eligible Partnership.—The term "eligi-
24	ble partnership" means a partnership that in-
25	cludes—

1	(A) not less than 1—
2	(i) State educational agency; or
3	(ii) local educational agency or consor-
4	tium of local educational agencies; and
5	(B) not less than 1—
6	(i) local educational agency, edu-
7	cational service agency, consortium of local
8	educational agencies, or consortium of edu-
9	cational service agencies;
10	(ii) institution of higher education;
11	(iii) nonprofit or community-based or-
12	ganization; or
13	(iv) business or for-profit organiza-
14	tion.
15	(4) Eligible Technology.—The term "eligi-
16	ble technology" means modern information, com-
17	puter, and communication technology hardware,
18	software, services, or tools, including computer or
19	mobile hardware devices and other computer and
20	communications hardware, software applications,
21	systems and platforms, and digital and online con-
22	tent, courseware, and online instruction and other
23	online services and supports.

1	(5) E-rate program.—The term "E-rate pro-
2	gram" means the Schools and Libraries Universal
3	Service Support Mechanism.
4	(6) Professional Development.—The term
5	"professional development" is a process of contin-
6	uous improvement for teachers and school leaders
7	that improves educator knowledge, skills, and prac-
8	tice toward the goal of increased student achieve-
9	ment and—
10	(A) is intensive, ongoing, connected to
11	practice, and on-site where allowable;
12	(B) is focused on student learning and ad-
13	dresses the teaching of specific curriculum con-
14	tent;
15	(C) is aligned with school improvement pri-
16	orities and goals of the school and local edu-
17	cational agency; and
18	(D) builds strong working relationships
19	among teachers and school leaders that—
20	(i) may be built around active profes-
21	sional learning communities; and
22	(ii) may contain on-demand compo-
23	nents, such as instructional videos, train-
24	ing documents, or learning modules.

1	(7) Secretary.—The term "Secretary" means
2	the Secretary of Education.
3	(8) STUDENT TECHNOLOGY LITERACY.—The
4	term "student technology literacy" means student
5	knowledge and skills in using contemporary informa-
6	tion, communication, and learning technologies in a
7	manner necessary for successful employment, life-
8	long learning, and citizenship in the knowledge-
9	based, digital, and global 21st century, including, at
10	a minimum, the ability to—
11	(A) effectively communicate and collabo-
12	rate;
13	(B) analyze and solve problems;
14	(C) access, evaluate, manage, and create
15	information and otherwise gain information lit-
16	eracy;
17	(D) demonstrate creative thinking, con-
18	struct knowledge, and develop innovative prod-
19	ucts and processes; and
20	(E) carry out the activities described in
21	subparagraphs (A) through (D) in a safe and
22	ethical manner.
23	(9) Technology readiness survey.—The
24	term "technology readiness survey" means a survey
25	completed by a local educational agency that pro-

1	vides standardized information comparable to the in-
2	formation collected through the technology readiness
3	survey administered under the Race to the Top As-
4	sessment program under section 14006 of division A
5	of the American Recovery and Reinvestment Act of
6	2009 (Public Law 111-5) on the quantity and types
7	of technology infrastructure and access available to
8	the students served by the local educational agency,
9	including computer devices, Internet connectivity,
10	operating systems, related network infrastructure,
11	data systems, and—
12	(A) requiring—
13	(i) an internal review of the degree to
14	which instruction, additional student sup-
15	port, and professional development is deliv-
16	ered in digital formats, media, and plat-
17	forms and is available to students and edu-
18	cators at any time;
19	(ii) an internal review of the ability of
20	educators to use assessments and other
21	student data to personalize and strengthen
22	instruction and identify professional devel-
23	opment needs and priorities; and

1	(iii) any other information required by
2	the State educational agency serving the
3	local educational agency; and
4	(B) may include an assessment of local
5	community needs to ensure students have ade-
6	quate on-line access and access to devices for
7	school-related work during out-of-school time.
8	(10) Universal design for learning.—The
9	term "universal design for learning" has the mean-
10	ing given the term in section 103 of the Higher
11	Education Act of 1965 (20 U.S.C. 1003).
12	TITLE I—TECHNOLOGY
13	READINESS AND ACCESS
14	SEC. 101. TECHNOLOGY GRANTS PROGRAM AUTHORIZED.
15	(a) In General.—From the amounts appropriated
16	under section 106, the Secretary shall award State Grants
17	for Technology Readiness and Access (in this title referred
18	to as "grants") to State educational agencies to strength-
19	en State and local technological infrastructure and profes-
20	sional development that supports digital learning through
21	State activities under section 103(c) and local activities
22	under section 104(c).
23	(b) Grants to State Educational Agencies.—

1	(1) RESERVATIONS.—From the amounts appro-
2	priated under section 106 for any fiscal year, the
3	Secretary shall reserve—
4	(A) three-fourths of 1 percent for the Sec-
5	retary of Interior to provide assistance under
6	this title for schools operated or funded by the
7	Bureau of Indian Education; and
8	(B) 1 percent to provide assistance under
9	this title to the outlying areas; and
10	(2) Grants.—From the amounts appropriated
11	under section 106 for any fiscal year and remaining
12	after the Secretary makes reservations under para-
13	graph (1), the Secretary shall make a grant for the
14	fiscal year to each State educational agency with an
15	approved application under section 102 in an
16	amount that bears the same relationship to such re-
17	mainder as the amount the State educational agency
18	received under part A of title I of the Elementary
19	and Secondary Education Act of 1965 (20 U.S.C
20	6311 et seq.) for such year bears to the amount al
21	State educational agencies with an approved applica-
22	tion under section 102 received under such part (20
23	U.S.C. 6311 et seq.) for such year.
24	(c) Minimum.—The amount of a grant to a State
25	educational agency under subsection (b)(2) for a fiscal

- 1 year may not be less than one-half of 1 percent of the
- 2 total amount made available for grants to all State edu-
- 3 cational agencies under such subsection for such year.
- 4 (d) Reallotment of Unused Funds.—If any
- 5 State educational agency does not apply for a grant under
- 6 subsection (b)(2) for a fiscal year, or does not use its en-
- 7 tire grant under subsection (b)(2) for such year, the Sec-
- 8 retary shall reallot the amount of the State educational
- 9 agency's grant, or the unused portion of the grant, to the
- 10 remaining State educational agencies that use their entire
- 11 grant amounts under subsection (b)(2) for such year.
- 12 (e) Matching Funds.—
- 13 (1) IN GENERAL.—A State educational agency
- that receives a grant under subsection (b)(2) shall
- provide matching funds, from non-Federal sources,
- in an amount equal to 20 percent of the amount of
- grant funds provided to the State educational agency
- to carry out the activities supported by the grant.
- 19 Such matching funds may be provided in cash or in-
- 20 kind, except that any such in-kind contributions
- shall be provided for the purpose of supporting the
- 22 State educational agency's activities under section
- 23 104(c).
- 24 (2) WAIVER.—The Secretary may waive the
- 25 matching requirement under paragraph (1) for a

1	State educational agency that demonstrates that
2	such requirement imposes an undue financial hard-
3	ship on the State educational agency.
4	SEC. 102. STATE APPLICATIONS.
5	(a) APPLICATION.—To receive a grant under section
6	101(b)(2), a State educational agency shall submit to the
7	Secretary an application at such time and in such manner
8	as the Secretary may require and containing the informa-
9	tion described in subsection (b).
10	(b) Contents.—Each application submitted under
11	subsection (a) shall include the following:
12	(1) A description of how the State educational
13	agency will meet the following goals:
14	(A) Use technology to ensure all students
15	achieve college-and-career readiness and tech-
16	nology literacy, including by providing high-
17	quality education opportunities to economically
18	or geographically isolated student populations.
19	(B) Provide educators with the tools, de-
20	vices, content, and resources to—
21	(i) significantly improve teaching and
22	learning, including support to increase per-
23	sonalization for and engagement of stu-
24	dents in pursuit of college-and-career read-
25	iness and technology literacy; and

1	(ii) develop and use assessments to
2	improve instruction consistent with the
3	principles of universal design for learning,
4	including for students with disabilities and
5	English-language learners.
6	(C) Ensure administrators and school lead-
7	ers have the flexibility and capacity to develop
8	and manage systems to carry out activities de-
9	scribed in subparagraphs (A) and (B), and sup-
10	port administrators and school leaders in uti-
11	lizing technology to promote equity and increase
12	efficiency and productivity.
13	(D) Enable local educational agencies to
14	build the technological capacity and infrastruc-
15	ture (including through local purchasing of eli-
16	gible technology), necessary for the full imple-
17	mentation of on-line assessments for all stu-
18	dents, (including students with disabilities and
19	English-language learners) and to—
20	(i) ensure the interoperability of data
21	systems and eligible technology; and
22	(ii) carry out subparagraphs (A)
23	through (C).
24	(2) A description of the results of the tech-
25	nology readiness in the State as determined by local

1	educational agency responses to the technology read-
2	iness survey, including—
3	(A) the status of the ability of each local
4	educational agency served by the State edu-
5	cational agency to meet the goals described in
6	section 104(b)(1);
7	(B) an assurance that not less 90 percent
8	of the local educational agencies served by the
9	State educational agency have completed and
10	submitted the technology readiness survey to
11	the State educational agency; and
12	(C) an assurance that the results of the
13	technology readiness survey for each such local
14	educational agency are made available to the
15	Secretary and the public through the Website of
16	the local educational agency.
17	(3) A description of the plan for the State edu-
18	cational agency to support each local educational
19	agency served by the State educational agency in
20	meeting the goals described in section 104(b)(1) not
21	later than 3 years after the local educational agency
22	completes the technology readiness survey by ad-
23	dressing the readiness gaps identified in such sur-
24	vey.

1	(4) A description of the State's process for the
2	adoption, acquisition, distribution, and use of con-
3	tent, how the State will ensure integrity of such
4	processes, and how such processes support the goals
5	under paragraph (1) or how a State will change
6	such processes to support such goals, and how the
7	State will ensure content quality.
8	(5) A description of how the State educational
9	agency will ensure its data systems and eligible tech-
10	nology are interoperable.
11	(6) An assurance that the State educational will
12	consider making content widely available through
13	open educational resources when making purchasing
14	decisions with funds received under this title.
15	(7) A description of the State's student tech-
16	nology literacy standards and the technology stand-
17	ards for teachers and administrators, and an assur-
18	ance that the State's student technology literacy
19	standards meet the requirements of section $7(8)$ .
20	(8) An assurance that subgrant awards under
21	section 104 will be carried out by the State edu-
22	cational agency staff with responsibility for leader-
23	ship, coordination, and implementation of instruc-

tional and other classroom technologies.

24

1	(9) A description of how the State educational
2	agency will award subgrants to local educational
3	agencies under section 104.
4	(10) A description of the process, activities, and
5	performance measures, that the State educational
6	agency will use to evaluate the impact and effective-
7	ness of the grant and subgrants funds awarded
8	under this title across the State and in each local
9	educational agency.
10	(11) A description of how the State educational
11	agency will, in providing technical and other assist-
12	ance to local educational agencies, give priority to
13	the local educational agencies proposing to target
14	services to—
15	(A) students in schools in need of improve-
16	ment and persistently low-achieving schools;
17	and
18	(B) schools with a high percentage of stu-
19	dents that are eligible for free or reduced price
20	lunch under the Richard B. Russell National
21	School Lunch Act (42 U.S.C. 1751 et seq.).
22	(12) A description of how the State educational
23	agency consulted with local educational agencies in
24	the development of the State educational agency's
25	application under this subsection.

1	(13) An assurance that the State educational
2	agency will provide matching funds as required
3	under section 101(e).
4	(14) A description of how the State educational
5	agency will ensure that funds received under this
6	title is not duplicative of support received under the
7	E-rate program.
8	(15) An assurance that the State educational
9	agency will protect the privacy and safety of stu-
10	dents and teachers, consistent with requirements of
11	section 444 of the General Education Provisions Act
12	(20 U.S.C. 1232g) (commonly known as the "Fam-
13	ily Educational Rights and Privacy Act of 1974"
14	and section 2441(a) of the Elementary and Sec-
15	ondary Education Act of 1965 (20 U.S.C. 6777(a)).
16	SEC. 103. STATE USE OF GRANT FUNDS.
17	(a) Reservation for Subgrants to Support
18	TECHNOLOGY INFRASTRUCTURE.—Each State edu-
19	cational agency that receives a grant under section
20	101(b)(2) shall expend not less 90 percent of the grant
21	amount for each fiscal year to award subgrants to local
22	educational agencies in accordance with section 104.
23	(b) Reservation for State Activities.—
24	(1) In general.—A State educational agency
25	shall reserve not more than 10 percent of the grant

1	received under section 101(b)(2) for the State activi-
2	ties described in subsection (c).
3	(2) Grant administration.—Of the amount
4	reserved by a State educational agency under para-
5	graph (1), the State educational agency may reserve
6	not more than 1 percent or 3 percent, in the case
7	of a State educational agency awarding subgrants
8	under section 104(a)(2), for the administration of
9	the grant under this title, except that a State edu-
10	cational agency that forms a State purchasing con-
11	sortium under subsection (d)—
12	(A) may reserve an additional 1 percent to
13	carry out the activities described in subsection
14	(d)(1); and
15	(B) shall receive direct approval from the
16	local educational agencies receiving subgrants
17	under section 104(a) from the State educational
18	agency prior to reserving more than the addi-
19	tional percentage authorized under subpara-
20	graph (A) to carry out the activities described
21	in subsection $(d)(1)$ .
22	(c) State Activities.—A State educational agency
23	shall use funds described in subsection (b) to carry out
24	each of the following:

1	(1) Except for the awarding of subgrants in ac-
2	cordance with section 104, activities described in the
3	State educational agency's application under section
4	102(b).
5	(2) Providing technical assistance to local edu-
6	cational agencies to—
7	(A) identify and address technology readi-
8	ness needs;
9	(B) redesign curriculum and instruction,
10	improve educational productivity, and deliver
11	computer-based and online assessment;
12	(C) use technology, consistent with the
13	principles of universal design for learning, to
14	support the learning needs of all students in-
15	cluding students with disabilities and English-
16	language learners;
17	(D) support principals to have the exper-
18	tise to evaluate teachers' proficiency in imple-
19	menting digital tools for teaching and learning;
20	and
21	(E) build capacity for individual school and
22	local educational agency leaders.
23	(3) Developing or utilizing research-based or in-
24	novative strategies for the delivery of specialized or
25	rigorous academic courses and curricula through the

1	use of technology, including digital learning tech-
2	nologies and assistive technology.
3	(4) Integrating and coordinating activities
4	under this title with other educational resources and
5	programs across the State.
6	(5) Disseminating information, including mak-
7	ing publicly available on the Websites of the State
8	educational agency promising practices to improve
9	technology instruction, and acquiring and imple-
10	menting technology tools and applications.
11	(6) Ensuring that teachers, paraprofessionals,
12	library and media personnel, specialized instructional
13	support personnel, and administrators possess the
14	knowledge and skills to use technology—
15	(A) for curriculum redesign to change
16	teaching and learning and improve student
17	achievement;
18	(B) for formative and summative assess-
19	ment administration, data analysis, and to per-
20	sonalize learning;
21	(C) to improve student technology literacy;
22	(D) to expand the range of supports and
23	accommodations available to English-language
24	learners and students with disabilities; and

1	(E) for their own ongoing professional de-
2	velopment and for access to teaching resources
3	and tools.
4	(7) Coordinating with teacher and school leader
5	preparation programs to—
6	(A) align digital learning teaching stand-
7	ards; and
8	(B) provide ongoing professional develop-
9	ment for teachers and school leaders that is
10	aligned to State student technology standards
11	and activities promoting college-and-career
12	readiness.
13	(d) Purchasing Consortia.—
14	(1) In general.—A State educational agency
15	receiving a grant under section section 101(b)(2)
16	may—
17	(A) form a State purchasing consortium
18	with 1 or more State educational agencies re-
19	ceiving such a grant to carry out the State ac-
20	tivities described in subsection (c), including
21	purchasing eligible technology;
22	(B) encourage local educational agencies to
23	form local purchasing consortia under section
24	104(e)(4); and

1	(C) promote pricing opportunities to local
2	educational agencies for the purchase of eligible
3	technology that are—
4	(i) negotiated by the State educational
5	agency or the State purchasing consortium
6	of the State educational agency; and
7	(ii) available to such local educational
8	agencies.
9	(2) Restrictions.—A State educational agen-
10	cy receiving a grant under section 101(b)(2) may
11	not—
12	(A) except for promoting the pricing op-
13	portunities described in paragraph (1)(C), make
14	recommendations to local educational agencies
15	for or require use of any specific commercial
16	products and services by local educational agen-
17	cies;
18	(B) require local educational agencies to
19	participate in a State purchasing consortia or
20	local purchasing consortia; or
21	(C) use more than the reservation amount
22	authorized for the administration of the grant
23	under subsection (b) to carry out the activities
24	described in paragraph (1), unless the State

27 1 educational agency receives approval in accord-2 ance with subsection (b)(2)(B). 3 SEC. 104. LOCAL SUBGRANTS. (a) Subgrants.— 4 5 (1) Grants to local educational agen-6 CIES.—From the grant funds provided under section 7 101(b)(2) to a State educational agency that are re-8 maining after the State educational agency makes 9 reservations under section 104(b) for any fiscal year 10 and subject to paragraph (2), the State educational 11 agency shall award subgrants for the fiscal year to 12 local educational agencies served by the State edu-13 cational agency and with an approved application 14 under subsection (b) by allotting to each such local 15 educational agency an amount that bears the same 16 relationship to the remainder as the amount received 17 by the local educational agency under part A of title 18 I of the Elementary and Secondary Education Act 19 of 1965 (20 U.S.C. 6301 et seq.) for such year 20 bears to the amount received by all such local edu-21 cational agencies under such part for such year, ex-22 cept that no local educational agency may receive 23 less than \$5,000. 24 (2) Competitive grants to local edu-

CATIONAL AGENCIES.—If the amount of funds ap-

25

1	propriated under section 106 is less than
2	\$500,000,000 for any fiscal year, a State edu-
3	cational agency—
4	(A) shall not award subgrants under para-
5	graph (1); and
6	(B) shall—
7	(i) award subgrants, on a competitive
8	basis, to local educational agencies based
9	on the quality of applications submitted
10	under (b), including—
11	(I) the level of technology readi-
12	ness as determined by the technology
13	readiness surveys completed by local
14	educational agencies submitting such
15	applications; and
16	(II) the technology plans de-
17	scribed in subsection (b)(3) and how
18	the local educational agencies with
19	such plans will carry out the align-
20	ment and coordination described in
21	such subsection; and
22	(ii) ensure that such subgrants are of
23	sufficient size and scope to carry out the
24	local activities described in subsection (c).

1	(3) Definition of Local educational
2	AGENCY FOR CERTAIN FISCAL YEARS.—For pur-
3	poses of awarding subgrants under paragraph (2),
4	the term "local educational agency" means—
5	(A) a local educational agency;
6	(B) an educational service agency; or
7	(C) a local educational agency and an edu-
8	cational service agency.
9	(b) APPLICATION.—A local educational agency that
10	desires to receive a subgrant under subsection (a) shall
11	submit an application to the State at such time, in such
12	manner, and accompanied by such information as the
13	State educational agency may require, including—
14	(1) a description of how the local educational
15	agency will—
16	(A) carry out the goals described in sub-
17	paragraphs (A) through (C) of section
18	101(b)(1); and
19	(B) enable schools served by the agency to
20	build the technological capacity and infrastruc-
21	ture (including through local purchasing of eli-
22	gible technology), necessary for the full imple-
23	mentation of on-line assessments for all stu-
24	dents (including students with disabilities and
25	English-language learners) and to—

1	(i) ensure the interoperability of data
2	systems and eligible technology; and
3	(ii) carry out the goals described in
4	subparagraphs (A) through (C) of section
5	101(b)(1);
6	(2) a description of the results of the tech-
7	nology readiness survey completed by the local edu-
8	cational agency and a description of the plan for the
9	local educational agency to meet the goals described
10	in paragraph (1) within 3 years of completing the
11	survey;
12	(3) a description of the local educational agen-
13	cy's student technology literacy standards, and its
14	goals for the technology skills for teachers and ad-
15	ministrators, and an assurance that the student
16	technology literacy standards meet the requirements
17	of section 7(8).;
18	(4) a description of the local educational agen-
19	cy's technology plan to carry out paragraphs (1) and
20	(3) and how the agency will align and coordinate the
21	activities under this section with other activities
22	across the local educational agency;
23	(5) a description of the team of educators that
24	will coordinate and carry out the activities under
25	this section, including individuals with responsibility

1 and expertise in instructional technology, teachers 2 that specialize in supporting students with disabil-3 ities and English-language learners, school leaders, 4 technology officers, and staff responsible for assess-5 ments and data analysis; 6 (6) a description of how the local educational 7 agency will evaluate teachers' proficiency 8 progress in implementing technology for teaching 9 and learning; 10 (7) a description of how the local educational 11 agency will ensure that principals have the expertise 12 to evaluate teachers' proficiency and progress in im-13 plementing technology for teaching and learning and 14 the interoperability of data systems and eligible tech-15 nology; 16 (8) a description of the local educational agen-17 cy's procurement process and process for the cre-18 ation, acquisition, distribution, and use of content, 19 how the local educational agency will ensure integ-20 rity of such processes, and how such processes sup-21 port the goals described in paragraph (1) or how a 22 local educational agency will change such processes 23 to support such goals, and how the local educational 24 agency will ensure content quality;

1	(9) a description of how the local educational
2	agency will carry out activities under subsection (c);
3	(10) a description of how the subgrant funds
4	received under subsection (a) will be coordinated
5	with and supported by other Federal, State, and
6	local funds to support activities under this title;
7	(11) a description of how the local educational
8	agency will ensure that the subgrant received under
9	subsection (a) is not duplicative of support received
10	under the E-rate program; and
11	(12) an assurance that the local educational
12	agency will protect the privacy and safety of stu-
13	dents and teachers, consistent with requirements
14	section 444 of the General Education Provisions Act
15	(20 U.S.C. 1232g) (commonly known as the "Fam-
16	ily Educational Rights and Privacy Act of 1974"
17	and section 2441(a) of the Elementary and Sec-
18	ondary Education Act of 1965 (20 U.S.C. 6777(a)).
19	(c) USE OF FUNDS.—
20	(1) Technology infrastructure.—Subject
21	to paragraph (3), a local educational agency receiv-
22	ing a subgrant under subsection (a) shall use not
23	less than 40 percent of such funds to support activi-
24	ties for the acquisition of eligible technology needed
25	to

1	(A) except for the activities described in
2	paragraph (2), carry out activities described in
3	the application submitted under subsection (b),
4	including purchasing devices, equipment, and
5	software applications, and improving
6	connectivity to and within schools; and
7	(B) address readiness shortfalls identified
8	under the technology readiness survey com-
9	pleted by the local educational agency.
10	(2) Professional development for dig-
11	ITAL LEARNING.—Subject to paragraph (3), a local
12	educational agency receiving a subgrant under sub-
13	section (a)—
14	(A) shall use not less than 35 percent of
15	such funds to carry out—
16	(i) digital age professional develop-
17	ment opportunities for teachers, para-
18	professionals, library and media personnel,
19	specialized instructional support personnel,
20	technology coordinators, and administra-
21	tors in the effective use of modern infor-
22	mation and communication technology
23	tools and digital resources to deliver in-
24	struction, curriculum and school classroom
25	management, including for classroom

1	teachers to assess, support, and provide
2	engaging student learning opportunities,
3	including professional development that—
4	(I) is ongoing, sustainable, and
5	scalable;
6	(II) is participatory;
7	(III) includes communication and
8	regular interactions with instructors,
9	facilitators, and peers and is directly
10	related to up-to-date teaching methods
11	in content areas;
12	(IV) includes strategies and tools
13	for improving communication with
14	parents and family engagement;
15	(V) may be built around active
16	professional learning communities or
17	online communities of practice or
18	other tools that increase collaboration
19	among teachers across schools, local
20	educational agencies, or States; and
21	(VI) may contain on-demand
22	components, such as instructional vid-
23	eos, training documents, or learning
24	modules;

1	(ii) ongoing professional development
2	in strategies and pedagogy in the core aca-
3	demic subjects that involve the use of tech-
4	nology and curriculum redesign as key
5	components of supporting effective, innova-
6	tive teaching and learning, and improving
7	student achievement;
8	(iii) ongoing professional development
9	in the use of educational technologies to
10	ensure every educator achieves and main-
11	tains technology literacy, including pos-
12	sessing and maintaining the knowledge and
13	skills to use technology—
14	(I) across the curriculum for stu-
15	dent learning;
16	(II) for real-time data analysis
17	and online or digital assessment to en-
18	able individualized instruction; and
19	(III) to develop and maintain
20	student technology literacy;
21	(iv) ongoing professional development
22	for school leaders to provide and promote
23	leadership in the use of—
24	(I) educational technology to en-
25	sure a digital-age learning environ-

1	ment, including the capacity to lead
2	the reform or redesign of curriculum,
3	instruction, assessment; and
4	(II) data through the use of tech-
5	nology in order to increase student
6	learning opportunity, student tech-
7	nology literacy, student access to tech-
8	nology, and student engagement in
9	learning; and
10	(v) a review of the effectiveness of the
11	professional development and regular inter-
12	vals of learner feedback and data; and
13	(B) may use such funds for—
14	(i) the use of technology coaches to
15	work directly with teachers, including
16	through the preparation of teachers as
17	technology leaders or master teachers—
18	(I) who are provided with the
19	means to serve as experts and to cre-
20	ate professional development opportu-
21	nities for other teachers in the effec-
22	tive use of technology; and
23	(II) who may leverage tech-
24	nologies, such as distance learning
25	and online virtual educator-to-educa-

1	tor peer communities, as a means to
2	support ongoing, participatory profes-
3	sional growth around the integration
4	of effective educational technologies;
5	(ii) innovative approaches to ongoing
6	professional development such as non-
7	standard achievement recognition strate-
8	gies, including digital badging,
9	gamification elements, use of learner-cre-
10	ated learning objects, integration of social
11	and professional networking tools, rating
12	and commenting on learning artifacts, and
13	personalization of professional develop-
14	ment; and
15	(iii) any other activities required to
16	carry out the local educational agency's
17	technology plan described in subsection
18	(b)(4).
19	(3) Modification of funding alloca-
20	TIONS.—A State educational agency may authorize a
21	local educational agency to modify the percentage of
22	the local educational agency's subgrant funds re-
23	quired to carry out the activities described in para-
24	graphs (1) or (2) if the local educational agency
25	demonstrates that such modification will assist the

1	local educational agency in more effectively carrying
2	out such activities.
3	(4) Purchasing consortia.—Local edu-
4	cational agencies receiving subgrants under sub-
5	section (a) may—
6	(A) form a local purchasing consortia with
7	other such local educational agencies to carry
8	out the activities described in this subsection,
9	including purchasing eligible technology; and
10	(B) use such funds for purchasing eligible
11	technology through a State purchasing con-
12	sortia under section 103(d).
13	SEC. 105. REPORTING.
14	(a) Local Educational Agencies.—Each local
15	educational agency receiving a subgrant under section 104
16	shall submit to the State educational agency that awarded
17	such subgrant an annual report the meets the require-
18	ments of subsection (e).
19	(b) STATE EDUCATIONAL AGENCIES.—Each State
20	educational agency receiving a grant under section
21	101(b)(2) shall submit to the Secretary an annual report
22	that meets the requirements of subsection (c).
23	(c) Report Requirements.—A report submitted
24	under subsection (a) or (b) shall include, at a minimum,
25	a description of—

1	(1) the status of the State education agency's
2	plan described in section 102(b)(3) or local edu-
3	cation agency's technology plan under section
4	104(b)(4), as applicable;
5	(2) the categories eligible technology acquired
6	with funds under this title and how such technology
7	is being used;
8	(3) the professional development activities fund-
9	ed under this title, including types of activities and
10	entities involved in providing such professional devel-
11	opment to classroom teachers and other staff, such
12	as school librarians;
13	(4) the instruction, strategies, activities, and
14	curricula used in the programs funded under this
15	title; and
16	(5) the types of programs funded under this
17	title.
18	SEC. 106. AUTHORIZATION.
19	There are authorized to be appropriated to carry out
20	this Act \$500,000,000 for fiscal year 2014 and such sums
21	as may be necessary for each of the 4 succeeding fiscal
22	years.

## 1 TITLE II—TECHNOLOGY FOR 2 TOMORROW FUND

- 3 SEC. 201. SHORT TITLE.
- 4 This title may be cited as the "Technology for To-
- 5 morrow Fund".
- 6 SEC. 202. TECHNOLOGY FOR TOMORROW FUND.
- 7 (a) Grants to Eligible Partnerships.—From
- 8 the amounts appropriated under section 207 and not re-
- 9 served under subsection (b), the Secretary shall award
- 10 grants, on a competitive basis, to eligible partnerships to
- 11 enable the eligible partnerships to carry out activities de-
- 12 scribed in section 204 to improve student achievement,
- 13 academic growth, and college-and-career readiness
- 14 through the use of technology and digital learning.
- 15 (b) Reservation of Funds.—The Secretary may
- 16 reserve up to 5 percent of the amounts appropriated under
- 17 section 207 for a fiscal year for—
- 18 (1) the administration of this title; and
- 19 (2) the evaluation and dissemination activities
- described in section 204(b).
- 21 (c) Duration of Grant Period.—A grant under
- 22 subsection (a) shall be awarded to an eligible partnership
- 23 for at least a 2-year period and not longer than a 3-year
- 24 period, except that the Secretary may award the eligible
- 25 partnership an additional 2-year grant if the eligible part-

1	nership demonstrates satisfactory progress on the per-
2	formance measures described in section 206(a).
3	SEC. 203. APPLICATION.
4	(a) In General.—To receive a grant under section
5	202, an eligible partnership shall submit an application
6	at such time and in such manner as the Secretary may
7	require, and containing the information described in sub-
8	section (b).
9	(b) Contents.—An application submitted under
10	subsection (a) shall include—
11	(1) a description of the eligible partnership, the
12	partners forming the eligible partnership, and the
13	roles and responsibilities of each partner;
14	(2) a demonstration of each partner's capacity
15	and commitment to fulfill its role and responsibilities
16	to ensure the successful completion of activities de-
17	scribed in section 204;
18	(3) a description of how the grant funds will be
19	used to improve the achievement, academic growth,
20	and college-and-career readiness of students, par-
21	ticularly at-risk, low-come, and low-performing stu-
22	dents;
23	(4) a description of how the activities funded by
24	the grant will be innovative, systemic, or evidence-
25	based by ensuring such activities—

1	(A) are based on strong or promising evi-
2	dence or a review of the best available research
3	evidence; and
4	(B) may contribute to the development and
5	use of new models;
6	(5) a description of how such activities will uti-
7	lize technology and digital learning to—
8	(A) promote personalized, individualized
9	instruction that improves student achievement,
10	academic growth, and college-and-career readi-
11	ness;
12	(B) improve teacher and school leader
13	preparation, training, knowledge, skills, prac-
14	tice, and professional capacity;
15	(C) ensure all students, particularly at-risk
16	and historically disadvantaged students, includ-
17	ing students with disabilities and English-lan-
18	guage learners, have equitable access to high-
19	quality curriculum, instruction, assessments,
20	technology, and digital learning; or
21	(D) improve the efficiency and productivity
22	of education;
23	(6) a description of how the eligible partnership
24	will measure and report data on the effectiveness of
25	such activities under section 205(a);

1	(7) an assurance that the grant funds will not
2	solely be used—
3	(A) to purchase materials, hardware, or
4	technology-based tools; or
5	(B) to implement online learning to the ex-
6	clusion of other activities;
7	(8) a description of how the eligible partnership
8	will ensure that a grant received under this title is
9	not duplicative of support received under the E-rate
10	program; and
11	(9) such other information as the Secretary
12	may require.
13	(c) Application Review and Award.—
14	(1) Application review and approval.—
15	The Secretary shall—
16	(A) establish a peer review process to as-
17	sist in the review of the grant applications and
18	approval of the grants under this section;
19	(B) appoint to the peer review process in-
20	dividuals who are educators and experts in—
21	(i) technology and digital learning;
22	(ii) classroom instruction and teaching
23	practice;
24	(iii) school improvement, redesign, or
25	turnaround;

1	(iv) teacher and school leader training
2	or professional development; and
3	(v) education efficiency and produc-
4	tivity; and
5	(C) ensure that each grant is of sufficient
6	size and scope to carry out the activities de-
7	scribed in the grant application under sub-
8	section (b), including the activities described in
9	section 204 and measuring and reporting data
10	under section 205(a).
11	(2) Grant award.—In awarding grants under
12	this title, the Secretary shall, to the extent prac-
13	ticable, ensure—
14	(A) diversity in the type of activities fund-
15	ed under the grants, including statewide and
16	local initiatives;
17	(B) equitable geographic distribution of the
18	grants, including urban and rural areas and
19	small and large local educational agencies; and
20	(C) that eligible partnerships receiving
21	such grants—
22	(i) demonstrate that activities funded
23	by the grant will be carried out based on
24	strong or promising evidence; and

1	(ii) are committed to and capable of
2	successfully carrying out the activities de-
3	scribed in the grant application submitted
4	under subsection (b), including the activi-
5	ties described in section 204 and meas-
6	uring and reporting data under section
7	205(a).
8	SEC. 204. USE OF FUNDS.
9	(a) REQUIREMENTS.—An eligible partnership receiv-
10	ing a grant under this title shall use grant funds to carry
11	out 1 or more of the following activities that utilize tech-
12	nology and digital learning to promote:
13	(1) Personalized, individualized instruction that
14	improves student achievement, academic growth, and
15	college-and-career readiness, such as—
16	(A) hybrid, blended, or other digital-learn-
17	ing opportunities that combine online and
18	teacher-based instruction to improve student
19	outcomes;
20	(B) gaming or other personalized digital or
21	technology-based tools that individualize in-
22	struction and promote self-directed learning and
23	higher order thinking skills, including giving
24	students control over the place, pace, or time of
25	learning;

1	(C) online platforms or opportunities that
2	provide students opportunities for credit recov-
3	ery or advanced credit accumulation; and
4	(D) expanding the accommodations avail-
5	able to students with disabilities and English-
6	language learners.
7	(2) Improving teacher and school leader prepa-
8	ration, professional development, knowledge, skills,
9	practice, and professional capacity, such as—
10	(A) tools or programs that equip teachers
11	to differentiate instruction, conduct ongoing
12	formative assessments, and use real-time data
13	or data systems to identify individual student
14	learning needs and guide personalized instruc-
15	tion, learning, and appropriate interventions
16	that address those individualized student learn-
17	ing needs;
18	(B) on-demand professional development,
19	online communities of practice, or other tech-
20	nology-based tools that improve teaching and
21	leadership;
22	(C) pre-service training in the use of tech-
23	nology and digital learning to improve student
24	outcomes; and

1	(D) technology-based tools to improve the
2	administration and implementation of teacher
3	evaluation systems or other human capital sys-
4	tems.
5	(3) Ensuring all students, particularly at-risk
6	and low-performing students, have equitable access
7	to high-quality curriculum, instruction, assessments,
8	technology, and digital learning by effectively imple-
9	menting technology tools consistent with principals
10	of universal design for learning, such as—
11	(A) using tools or programs to teach stu-
12	dents higher order thinking skills;
13	(B) improving the education of students
14	with disabilities through assessment accom-
15	modations, including assistive technology;
16	(C) improving the education of English-
17	language learners, including language pro-
18	ficiency and academic content, through intuitive
19	games and interfaces, web-based interventions,
20	or technology-based assessments and assess-
21	ment accommodations;
22	(D) technology-based tools or digital learn-
23	ing opportunities that enhance high-quality
24	early learning or early childhood education pro-
25	grams;

1	(E) expanding learning opportunities, par-
2	ticularly for students who are low-performing or
3	live in rural areas, that increase access to high-
4	quality curriculum and instruction, advanced
5	placement or international baccalaureate
6	courses, science, technology, engineering, and
7	mathematics education, or enrichment activi-
8	ties; and
9	(F) enhancing the quality, depth, or ad-
10	ministration of student assessments, including
11	summative, formative, and classroom-based as-
12	sessments.
13	(4) Improving the efficiency and productivity of
14	education, such as—
15	(A) extending the reach of high-quality
16	materials, tools, curriculum, instruction, or
17	teachers through such means as open edu-
18	cational resources or blended learning;
19	(B) making student learning or school im-
20	provement more effective and cost-efficient
21	through online or digital platforms; and
22	(C) use of laptops, personal devices, or
23	technology-infused instruction to reduce cost
24	and improve delivery of instruction.

1	(b) Limitations on Uses of Funds.—An eligible
2	partnership may not use the total amount of a grant re-
3	ceived under this title for a fiscal year—
4	(1) on materials, hardware, or technology-based
5	tools; or
6	(2) to implement online learning to the exclu-
7	sion of other activities.
8	SEC. 205. DATA COLLECTION AND REPORTING.
9	(a) Reporting.—Each eligible partnership receiving
10	a grant under this title shall collect and report to the Sec-
11	retary, on at least an annual basis, such information on
12	the progress, outcomes, and best practices learned from
13	activities under the grant as the Secretary may require,
14	which—
15	(1) shall include information on the impact of
16	the grant on student outcomes, such as—
17	(A) the number of and demographic infor-
18	mation about students who are served by the el-
19	igible partnership under this title;
20	(B) student achievement, student growth,
21	and graduation rates of such students;
22	(C) college-and-career readiness data about
23	students of such students, such as rates of
24	credit accumulation, course taking and comple-
25	tion, and college enrollment and persistence;

1	(D) student attendance and participation
2	rates; and
3	(E) such other information the Secretary
4	may require or other information the eligible
5	partnership proposes to include and approved
6	by the Secretary; and
7	(2) may include data on—
8	(A) student engagement and discipline;
9	(B) school climate and teacher working
10	conditions; and
11	(C) increases in inclusion of students with
12	disabilities and English-language learners.
13	(b) DISAGGREGATION.—Each eligible partnership re-
14	ceiving a grant under this title shall disaggregate the in-
15	formation required under subsection (a) in the same man-
16	ner as information is disaggregated under section
17	1111(h)(1)(C)(i) of the Elementary and Secondary Edu-
18	eation Act of 1965 (20 U.S.C. 6311(h)(1)(C)(i)).
19	SEC. 206. PERFORMANCE MEASUREMENT AND EVALUA-
20	TION AND DISSEMINATION.
21	(a) Performance Measures.—Prior to the review-
22	ing and awarding of grants under this title, the Secretary
23	shall establish performance measures used to evaluate the
24	progress and performance of each eligible partnership
25	that—

1	(1) shall include, at a minimum, information on
2	the impact of the grants on student outcomes as re-
3	ported under section 205(a); and
4	(2) may include such other information as the
5	Secretary may reasonably require.
6	(b) Evaluation and Dissemination.—From
7	amounts reserved under section 202(b), the Secretary
8	shall—
9	(1) conduct or enter into a contract with an
10	outside evaluator to conduct—
11	(A) a comprehensive evaluation after the
12	third year that the grant program is carried
13	under this title on the effectiveness of all grants
14	awarded under this title; and
15	(B) a final evaluation following the final
16	year of the grant program under this title—
17	(i) that focuses on the improvement in
18	student outcomes reported under para-
19	graphs (1) through (3) of section 205(a);
20	(ii) that compares the relative effec-
21	tiveness of different types of programs car-
22	ried under this title and compares the rel-
23	ative effectiveness of variations in imple-
24	mentation within such programs; and

1	(iii) identifies the conditions and prac-
2	tices needed for the effective use of tech-
3	nology and digital learning, including
4	issues related to teacher professional devel-
5	opment, educational leadership, classroom
6	and school practices and implementation
7	and support;
8	(2) disseminate and provide technical assistance
9	to local educational agencies and State educational
10	agencies on best practices in utilizing technology and
11	digital learning to improve student achievement, aca-
12	demic growth, and college-and-career readiness; and
13	(3) ensure that the Department of Education
14	applies the best practices described in paragraph (2)
15	in carrying out other innovation funds.
16	SEC. 207. AUTHORIZATION OF APPROPRIATIONS.
17	There are authorized to be appropriated to carry out
18	this title \$250,000,000 for fiscal year 2014 and such sums
19	as may be necessary for each of the 4 succeeding fiscal
20	years.